Catalog Number
Project
Type

CLN
Clean Room
LED Vapor Tight

PROUDLY MADE IN USA

NSF.

IP67 CERTIFIED

IP66 CERTIFIED

IP65 CERTIFIED

c**UL**us

RoHS COMPLIANT

NEMA 4X **PSI 1500**

LUTRON | **ISO 5**

DESCRIPTION
The CLN Series is a Clean Room LED Vapor Tight, gasketed enclosure that is completely dust and moisture resistant. The CLN utilizes state-of-the-art LED technology to deliver the highest possible efficiency in the lighting industry.

APPLICATIONS
The CLN Series of LED Vapor Tights were designed to be high quality, energy efficient LED fixtures for use in applications such as pharmaceutical manufacturing facilities, food processing facilities, electrical component manufacturing facilities, and any application that needs an economical surface mount clean room solution. Suitable for both indoor and outdoor applications.

CONSTRUCTION
The fixture is constructed of a single-piece polycarbonate upper body and an acrylic diffuser securely positioned in a permanent, poured-in-place, polyurethane sealing gasket. The diffuser and upper components are locked in place and sealed tightly with polycarbonate retaining latches or optional stainless steel latches. High impact acrylic/DR material diffuser composition. Positive cam latches. Polyethylene molded end plugs.

OPTICAL SYSTEM
High output LED's available in 3000K, 3500K, 4000K, and 5000K. CRI >82. High impact acrylic/DR material diffuser with a continuous formed perimeter. Diffuser softens light dissipation for even light coverage.

ELECTRICAL SYSTEM
0-10V dimming driver included standard. Long-life LED system rated for >120K life hours (L70 @ 25°C). Metal gear tray for internal LED driver. Complies with federal energy efficiency standards.

CONTROLS
The fixture is compatible with 0-10V dimming controls or 50% step dimming is available upon request.

MOUNTING
The fixture can be suspended or surface mounted. Optional top only hub entry or combination top and end hub entry available for stem mounting applications. Die formed galvanized mounting brackets come standard. No holes required for mounting. Unitized internal/external brass mounting stud for structural integrity and continuity of ground.

LISTINGS
Independantly tested to IESNA LM-79 and LM-80 specifications. CSA approved. NSF International Certified. IP65, IP66 and IP67 Certified for Wet Location applications. Suitable for ISO 5-9 Clean Rooms. Proudly made in the USA. Manufactured in Fort Worth, Texas.

WARRANTY
5-Year Limited Warranty. Complete warranty and terms located at www.aelnow.com/warranty.

ORDERING INFORMATION
Example: CLN450HM

CLN							
Series	**Length (IN)**	**CCT**	**Output***		**Voltage**	**Lens Options/Adders**	**Options**
CLN	**2** 27.69" Overall Length **4** 51.65" Overall Length **8** 99.65" Overall Length	**27** 2700K **30** 3000K **35** 3500K **40** 4000K **50** 5000K	4L 7L 11L 12L 13L 15L 16L 20L 25L	4000 Lumens 7000 Lumens 11000 Lumens 12000 Lumens 13000 Lumens 15000 Lumens 16000 Lumens 20000 Lumens 25000 Lumens	**M** Multi-Volt (120-277VAC)	**BLANK** Shallow Lens Acrylic (Smooth) - Standard **RA** Acrylic Ribbed **RAF** Acrylic Ribbed* (Frosted) **DRAF** Deep Lens Acrylic Ribbed* (Frosted) **DRAS** Deep Lens Acrylic Ribbed* (Smooth) **SAF** Shallow Lens Acrylic* (Frosted) **SPF** Shallow Lens Polycarbonate* (Frosted) **SPS** Shallow Lens Polycarbonate* (Smooth)	**12EBL** 1200 Lumen Emergency Ballast **OC4EX** Occupancy Sensor **1P** Single Pendant w/ Reinforcement Plate **2P** Double Pendant w/ Reinforcement Plate **SSL** Stainless Steel Latches **TP** Tamper Proof **PTP** Polycarbonate Tamper Proof Latches **SSLTP** Stainless Tamper Proof Latches **LDE1** Lutron LDE1 Hi-Lume 1% EcoSystem Fade-To-Black Driver Upgrade **LDE5** Lutron LDE5 5-Series EcoSystem 5% Dimming Driver Upgrade **VDO** Vive Integral RF controller with daylight and occupancy sensing. **FCJS0** Lutron Vive attached RF fixture controller 0-10V/277V

*Max lumen output for 2' fixure is HM - 15728 lumens.   *Additional costs for lens enclosure upgrades
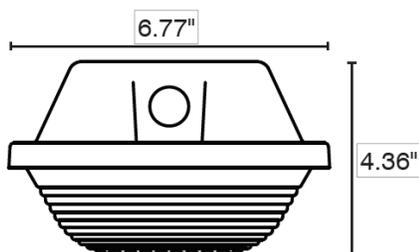
FIXTURE DIMENSIONS

51.65"

6.77"
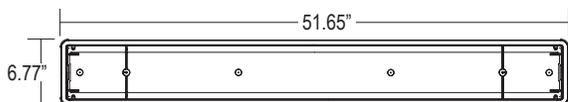
Fixture Analysis

Dimensions	51.65" x 6.77" x 4.25"
Mounting	Surface or suspension
Weight	12 lbs
Warranty	5-Year Limited

Lens Dimensions

Standard	1.92" x 6.40"
Deep	3.50" x 6.40"
Shallow	1.92" x 6.40"

Standard Lens

6.77"

4.36"

Available in (smooth) or (frosted)

Deep Lens

6.77"

5.72"
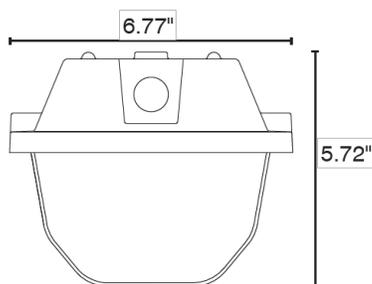
Available in (smooth with frosted ends) or (frosted)

Shallow Lens

6.77"

4.19"
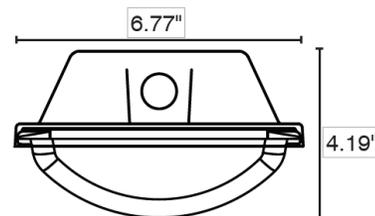
Available in (smooth) or (frosted)

ENERGY AND PERFORMANCE DATA

Input Voltage	120/277VAC
System Input Power	33 - 179 Watts*
Delivered Lumen Output	4650 - 25000 Lumens
Standard Dimming Control	0-10V
CCT	3000, 3500, 4000, 5000 Kelvin
CRI	82 (minimum)
Life Time Rating	>120,000 hrs @ L70
Input Frequency	50/60 Hz
Power Factor	>0.9
Operating Temp	30° to 50° C

*Actual wattage may differ by ±5% while operating 120/277V ±10%

Part#	Delivered Lumens	Watts	L70 @20C (hrs)
4L	4000 Lumens	XX	>100K
7L	7000 Lumens	XX	>100K
11L	11000 Lumens	XX	>100K
12L	12000 Lumens	XX	>100K
13L	13000 Lumens	XX	>100K
15L	15000 Lumens	XX	>100K
16L	16000 Lumens	XX	>100K
20L	20000 Lumens	XX	>100K
25L	25000 Lumens	XX	>100K

Delivered Lumens shown were tested with 4000K LEDs

Approximate Color Temperature Multiplier	
5000K	1.03
4000K	1
3500K	0.97
3000K	0.94
2700K	0.91